



11/17/03

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

53047/45121

In Re Application Of:

Bae et al.

Serial No.	Filing Date	Examiner	Group Art Unit
10/537,514	June 3, 2005	unknown	unknown

Title:

METHOD AND APPARATUS FOR AUTOMATED DETECTION OF TARGET STRUCTURES FROM MEDICAL IMAGES
 USING A 3D MORPHOLOGICAL MATCHING ALGORITHM

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37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

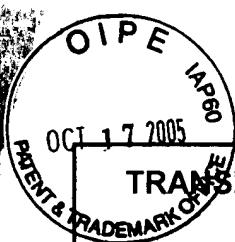
37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p).



OCT 17 2005

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Substitute for form 1449A/PTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

1

of

2

Application Number	10/537,514
Filing Date	June 3, 2005
First Named Inventor	Bae et al.
Art Unit	unknown
Examiner Name	unknown
Attorney Docket Number	53047/45121

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 4777598		Kellar et al.	
	AB	US- 4907156		Doi et al.	
	AC	US- 5133020		Giger et al.	
	AD	US- 5146923		Dhawan	
	AE	US- 5185809		Kennedy et al.	
	AF	US- 5319549		Katsuragawa et al.	
	AG	US- 5543709		Kajiyama	
	AH	US- 5583902		Bae	
	AI	US- 5687208		Bae et al.	
	AJ	US- 5881124		Giger et al.	
	AK	US- 5987094		Clarke et al.	
	AL	US- 6055985		Bae et al.	
	AM	US- 6609021		Fan et al.	
	AN	US- 6240201		Xu et al.	
	AO	US- 6466687		Uppaluri et al.	
	AP	US- 6470889		Bae et al.	
	AQ	US- 6635030		Bae et al.	
	AR	US- 6678399		Doi et al.	
	AS	US- 6866653		Bae	
	AT	US- 2002/0009215A1	01-24-2002	Armato, III et al.	
	AU	US- 2002/0028008A1	03-07-2002	Fan et al.	
	AV	US- 2003/0228041A1	12-11-2003	Bae et al.	
	AW	US- 2004/0097875A1	05-20-2004	Bae	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	AX	WO 95/15536	06-08-95	Arch Development Corp.		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small>				Application Number	10/537,514	
				Filing Date	June 3, 2005	
				First Named Inventor	Bae et al.	
				Art Unit	unknown	
				Examiner Name	unknown	
OCT 17 2005 U.S. PATENT & TRADEMARK OFFICE RECEIVED		2	of	2	Attorney Docket Number	53047/45121

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AY		Proceedings of the Second International Joint Conference on Pattern Recognition, Aug. 13-15, 1974, Copenhagen; IEEE, Washington, 1974, pp. 258-263, XP002023478, D. H. Ballard et al.; "Hierarchic Recognition of Tumors in Chest Radiographs".	
AZ		Computer Vision Graphics and Image Processing, vol. 43, No. 2, Aug., 1988, MA US, pp. 256-264, XP000004392, S.M. Ali et al., "A New Algorithm for Extracting the Interior of Bounded Regions Based on Chain Coding".	
BA		Macq B. et al., "Lossless Compression for 3D PET", 1993 Nuclear Science Symposium and Medical Imaging Conference, San Francisco, CA, USA, 30 Oct.-6 Nov. 1993, vol. 41, no. 4, pt. 1, pages 1556-1559, XP002181660	
BB		Weinberger et al, "From LOCO-I to the JPEG-LS standard", Image Processing, 1999. ICIP 99. Proceedings. 1999 International Conference on Kobe, Japan 24-28 Oct. 1999, Piscataway, NJ, USA, IEEE, US 24 October 1999 (1999-10-24), pages 68-72, XP010368687	
BC		Weinberger et al, "LOCO-I: A low complexity, context-based, lossless image compression algorithm" Data Compression Conference, IEEE Computer Society Press, Los Alamitos, CA, US, 31 March 1996 (1996-03-32), pages 140-149, XP000614253.	
BD		Young S.S. et al, "Statistically lossless image compression for CR and DR", Proceedings of the SPIE, Bellingham, VA, US, vol. 3658, 21 February 1999 (1999-02-21), pages 406-419, XP001039680	
BE		CRAWFORD et al.; "Computed Tomography Scanning With Simultaneous Patient Translation"; Am. Assoc. Med. Phys.; November/December 1990; pp. 967-982; Vol. 17(6)	
BF		KAK et al.; "Algorithms for Reconstruction with Nondiffracting Sources"; <i>Principles of Computerized Tomographic Imaging</i> ; 1987; pp. 49-112; Chapter 3; The Institute of Electrical and Electronics Engineers, Inc.; New York	
BG		KALENDER et al.; "A Comparison of Conventional and Spiral CT: An Experimental Study on the Detection of Spherical Lesions"; <i>Journal of Computer Assisted Tomography</i> ; March/April 1994; pp. 167-176; Vol. 18(2); Raven Press, Ltd.; New York	
BH		RABBANI et al.; <i>Digital Image Compression Techniques</i> ; 1991; pp. 1-220; Vol. TT 7; Spie Optical Engineering Press; Bellingham, Washington	
BI		FCD 14495; "Lossless and Near-Lossless Coding of Continuous Tone Still Images" (JPEG-LS); 1997; pp. 1-75; Public Draft; ISO/IEC Copyright Office; Switzerland	

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